

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
S1	2	"6343743".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 13:09
S2	2	"5850524".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/21 15:49
S3	2	"5917909".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:33
S4	2	"4985921".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:38
S5	165	380/270.ccls. and @ad<"19970909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:48
S6	5	S5 and ((bidirectional or "bi-directional") with (channel or path))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:36
S7	346	713/168,169,185.ccls. and @ad<"19970909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:47
S8	1657945	("data carrier" or memory or card)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:36

## EAST Search History

S9	8973	S8 and ((bidirectional or "bi-directional") with (channel or path))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:36
S10	2477	S9 and (authenticat\$3 or verify\$3 or verification)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:37
S11	108	S10 and (ISO with standard)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:40
S12	1	S7 and S11	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:38
S13	4	S11 and (mutual with (authenticat\$3 or verification or verify\$3))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:38
S14	43	S11 and @ad<"19970909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:40
S15	3	S7 and S10	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/24 11:47
S16	1834	(computer or "data carrier" or memory or card or host) with ((bidirectional or "bi-directional") with (channel or path))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:44

## EAST Search History

S17	406	S16 and modulat\$3	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:46
S18	142	S17 and (authenticat\$3 or verification or verify\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:48
S19	80	S18 and @ad<"19990909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:51
S20	271	(separate with (authenticat\$3 or verify\$3 or verification) with (channel or path))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:52
S21	107	S20 and @ad<"19990909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 09:52
S22	44	"smart card" with "mutual authentication"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 11:41
S23	12	S22 and @ad<"19990909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 11:41
S24	4	("5852653" or "4837556").pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2005/10/25 19:40

## EAST Search History

S25	2	"5763869".pn.	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:29
S26	2	wo-9415318-\$.did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:34
S27	10294	380/270.ccls. or 713/168-171,185. ccls. or 725/25.ccls. or 709/208, 211-216.ccls. or 726/2-9,16-17,20, 27-29.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:39
S28	2570	S27 and @ad<"19980907"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:41
S29	400998	(two or multiple) with (channel)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:41
S30	12144	S29 and (bidirectional)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:41
S31	4568	S30 and ((flash or card or memory or rom or ram) with (channel or port))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:42
S32	38	S28 and S31	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:48

## EAST Search History

S33	1633	(authentication with channel) and (data with channel)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:43
S34	51	S33 and S28	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:43
S35	0	S32 and S34	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:43
S36	3	S34 and (bidirectional)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:43
S37	17703	(separate or two or multiple) with (bidirectional or (two adj1 way)) with (path or channel or port)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:49
S38	1895	S37 and ((data adj1 storage) or (smart adj1 card))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:50
S39	110	S38 and ((validation or authentication) with (channel or port or path))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:50
S40	28	S39 and @ad<"19980907"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/08 15:50

## EAST Search History

S41	91442	(modulat\$3 with (channel or path))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/09 12:25
S42	10318	380/270.ccls. or 713/168-171,185. ccls. or 725/25.ccls. or 709/208, 211-216.ccls. or 726/2-9,16-17,20, 27-29.ccls.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/09 12:26
S43	2570	S42 and @ad<"19980907"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/09 12:26
S44	112	S41 and S43	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/09 12:26
S45	2	"5553239".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/22 09:07
S46	19254	(client or pda or (smart adj1 card) or (storage)) with (authenticat\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:07
S47	1683	S46 and (second or multiple) with (server) with ((log adj1 on) or verify or verificat\$3 or authenticat\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:07
S48	83	S47 and @ad<"19970909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:07

## EAST Search History

S49	13	S48 and (logical with (path or channel))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:07
S50	4060	(pda or (smart adj1 card) or palm) with (authenticat\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:07
S51	284	S50 and (second or multiple) with (server) with ((log adj1 on) or verify or verificat\$3 or authenticat\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:07
S52	3	S51 and (logical with (path or channel))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:07
S53	0	S52 and @ad<"19970909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:08
S54	12	S51 and @ad<"19970909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:08
S55	5631	((data adj2 carrier) or (smart adj2 card) or (pda) or (portable adj2 device)) with (authenticat\$3 or authenticity or validat\$3)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:47
S56	507	S55 and @ad<"19970909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:49

## EAST Search History

S57	2	S56 and (logical with (path or channel))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:48
S58	2	S56 and (bidirectional with (path or channel))	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:49
S59	48	S56 and iso	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 09:49
S60	395	wireless with logical with (channel or path)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 10:37
S61	25	S60 and @ad<"19970909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 10:37
S62	4873	wireless with multiple with (channel or path)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 10:37
S63	418	S62 and @ad<"19970909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 10:37
S64	44	S63 and logical with (channel or path)	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 10:37



## EAST Search History

S65	591	modulat\$3 with ISO	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 12:20
S66	67	S65 and @ad<"19970909"	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 12:20
S67	2	"5850524".pn.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 13:09
S68	2	WO-9534054-\$.did.	US-PGPUB; USPAT; USOCR; EPO; DERWENT; IBM_TDB	OR	ON	2006/05/23 13:09